

Formulation

Name	BE GRACEFUL - PRO-AGEING FACE CREAM		
No.	1387		
Description	Pro-ageing face cream is for those that embrace life and want to do so gracefully. STEPAN-MILD® M-20 gives a rich touch for a nourishing effect, but with a matte finish. This formulation uses a kombu algae extract because of its potential effect on fibroblast production and collagen synthesis.		
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>	<u>Functionality</u>
	=== Phase 1 ===		
	Deionized Water	82.10	Carrier
	Carbopol® Ultrez 10 (Lubrizol Corporation) Carbomer	0.60	Thickener
	Algo'boost Jeunesse (Hyteck SA) Glycerin (and) Aqua (and)	0.10	Active
	Laminaria Digitata		
	=== Phase 2 ===		
	STEPAN-MILD® M-20	10.00	Emollient
	Radiasurf 7900 (Oleon) Glyceryl Stearate	2.00	Emulsifier
	Stearic Acid 40EO (Mosselman) PEG-40 Stearate	2.00	Emulsifier
	Nacol 16 (Sasol) Cetyl Alcohol	2.00	Co-emulsifier, Thickener
	=== Phase 3 ===		
	Fragrance - Hypo 158 (Givaudan)	0.20	Fragrance
	Tocopherol (Mosselman) Tocopherol	0.02	Antioxidant
	Euxyl K712 (Schülke & Mayr GmbH)	1.00	Preservative
	Sodium Hydroxide	q.s.	pH Adjuster
	Total	100.00	
Procedure	1. Heat phase 1 to 65°C (149°F) with mixing. 2. Heat phase 2 to 65°C (149°F) and homogenize. 3. Add phase 2 to phase 1 with mixing. 4. Homogenize 2 minutes with an ULTRA-TURRAX® mixer using high shear rates. 5. Cool down to 45°C (113°F) and add phase 3 under stirring, following the above described order. 6. Cool down to room temperature under stirring. **Note: Euxyl K712 supplied by Schülke & Mayr GmbH is defined chemically as: Aqua (and) Sodium Benzoate (and) Potassium Sorbate		
Physical Properties	Appearance, as is	White cream	
	pH, as is	5.5	
	Viscosity at 25°C, cps	68,100	
Storage/ Stability	4 weeks at 25°C	Stable	
	4 weeks at 45°C	Stable	
	4 weeks at 5°C	Stable	
Instructions for Use	Apply to skin and rub in.		

External
Comment

Marketing Notes: INCI List: Aqua, Propylene Glycol Di(Caprylate/Caprates), Glyceryl Stearate, PEG-40 Stearate, Cetyl Alcohol, Carbomer, Glycerin, Laminaria Digitata, Sodium Benzoate, Potassium Sorbate, Perfume, Tocopherol, Sodium Hydroxide

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Additional
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).
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